(FILE 'HOME' ENTERED AT 15:46:22 ON 07 JUL 2003)

FILE 'CAPLUS' ENTERED AT 15:47:56 ON 07 JUL 2003

- L1 105 S FUMITREMORGIN?
- L2 15 S L1 AND DRUG(10A) RESIST?
- . L3 0 S L2 NOT PY>=1998
 - L4 15 S L1(L) CANCER?
 - L5 0 S L4 NOT PY>=1999

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:51:42 ON 07 JUL 2003

SEA L4 OR L2

- 1 FILE ADISCTI
- 1 FILE ADISINSIGHT
- 19 FILE BIOSIS
- 2 FILE BIOTECHABS
- 2 FILE BIOTECHDS
- 10 FILE BIOTECHNO
- 9 FILE CANCERLIT
- 19 FILE CAPLUS
- 12 FILE DDFU
- 13 FILE DRUGU
- 13 FILE EMBASE
- 11 FILE ESBIOBASE
- 6 FILE IFIPAT
- 2 FILE LIFESCI
- 16 FILE MEDLINE
- 6 FILE PASCAL
- 18 FILE SCISEARCH
- 18 FILE TOXCENTER
- 10 FILE USPATFULL
- 2 FILE WPIDS
- 2 FILE WPINDEX

QUE L4 OR L2

FILE 'BIOSIS, CAPLUS, SCISEARCH, TOXCENTER, MEDLINE, DRUGU, EMBASE, ESBIOBASE, BIOTECHNO, USPATFULL, CANCERLIT, IFIPAT, PASCAL, BIOTECHDS, LIFESCI, WPIDS, ADISCTI, ADISINSIGHT' ENTERED AT 15:54:03 ON 07 JUL 2003

L7 176 S L6

L₆

- L8 12 S L7 NOT PY>=1999
- L9 146 S L4
- L10 44 DUP REM L9 (102 DUPLICATES REMOVED)
- L11 1 S L10 NOT PY>=1999

FILE 'STNGUIDE' ENTERED AT 16:06:54 ON 07 JUL 2003

FILE 'BIOSIS, CAPLUS, SCISEARCH, TOXCENTER, MEDLINE, DRUGU, EMBASE, ESBIOBASE, BIOTECHNO, USPATFULL, CANCERLIT, IFIPAT, PASCAL, BIOTECHDS, LIFESCI, WPIDS, ADISCTI, ADISINSIGHT' ENTERED AT 16:07:07 ON 07 JUL 2003

- L12 118 S L1 AND (TUMOR? OR NEOPLAS?)
- L13 49 DUP REM L12 (69 DUPLICATES REMOVED)
- L14 7 S L13 NOT PY>=1999

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FILE 'IFIPAT' ENTERED AT 15:54:03 ON 07 JUL 2003 COPYRIGHT (C) 2003 IFI CLAIMS(R) Patent Services (IFI)

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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

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FILE 'ADISINSIGHT' ENTERED AT 15:54:03 ON 07 JUL 2003 COPYRIGHT (C) 2003 Adis Data Information BV

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=> s 16
7 FILES SEARCHED...
11 FILES SEARCHED...
17 FILES SEARCHED...
L7 176 L6
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L10 ANSWER 40 OF 44 CAPLUS COPYRIGHT 2003 ACS
                                                       DUPLICATE 19
ACCESSION NUMBER:
                       2000:872654 CAPLUS
DOCUMENT NUMBER:
                         134:216800
                         Inhibition of BCRP-mediated drug efflux by
TITLE:
                         fumitremorgin-type indolyl diketopiperazines
AUTHOR(S):
                         van Loevezijn, A.; Allen, J. D.; Schinkel, A. H.;
                         Koomen, G.-J.
                         Institute of Molecular Chemistry, Laboratory of
CORPORATE SOURCE:
                         Organic Chemistry, University of Amsterdam, Amsterdam,
                         NL-1018 WS, Neth.
                         Bioorganic & Medicinal Chemistry Letters (2000),
SOURCE:
                         Volume Date 2001, 11(1), 29-32
                         CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER:
                         Elsevier Science Ltd.
DOCUMENT TYPE:
                         Journal
LANGUAGE:
                         English
REFERENCE COUNT:
                               THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS
                         23
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
     A library of 42 diastereoisomeric mixts. of fumitremorgin-type
     indolyl diketopiperazines, prepd. by parallel solid-phase synthesis, was
     screened for breast cancer resistance protein inhibitory
     activity and compared with GF120918. Demethoxy-fumitremorgin C
     was synthesized (no data) by solid-phase techniques and tested as well.
     Structure-activity relationship studies have identified several potent
     analogs, both in assays using the T6400 mouse and the T8 human cell line,
     whereas low cytotoxicity was seen at effective concns.
     fumitremorgin indolyl diketopiperazine inhibitor breast
     cancer resistance protein; mitoxantrone inhibitor breast
     cancer resistance protein; structure activity breast
     cancer resistance protein
IT
     Structure-activity relationship
        (inhibition of breast cancer-resistance protein-mediated drug
        efflux by fumitremorgin-type indolyl diketopiperazines)
     235092-43-0, Transport protein (human BCRP (breast cancer
IT
     resistance protein))
     RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
     (Biological study); PROC (Process)
        (inbititors; inhibition of breast cancer-resistance
        protein-mediated drug efflux by fumitremorgin-type indolyl
        diketopiperazines)
TΤ
                                111768-16-2, Demethoxy fumitremorgin
     65271-80-9, Mitoxantrone
         118974-02-0D, 12.alpha.-Fumitremorgin C, analogs and derivs.
     211359-48-7
                   211359-49-8
                                 211359-50-1 211359-51-2 211359-52-3
     211359-53-4
                   211359-60-3
                                 211359-61-4
                                               211359-62-5
                                                             211359-63-6
                                                             211359-68-1
     211359-64-7
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                 211359-70-5
                                 211359-71-6
     211359-69-2
                                               211359-72-7
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                  211359-75-0
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                                               211359-77-2
                                                             211359-78-3
                 211359-80-7
     211359-79-4
                                 211359-81-8
                                               211359-82-9
                                                             211359-83-0
     211359-84-1
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                                 211359-86-3
                                               211359-87-4
                                                             211359-88-5
                                 329356-34-5
     211359-89-6
                  329356-33-4
                                               329356-35-6
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     329356-37-8
                  329356-38-9
                                 329356-40-3
                                               329356-41-4
                                                             329356-42-5
     329356-43-6
                  329356-44-7
                                329356-45-8
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); BIOL (Biological study)
        (inhibition of breast cancer-resistance protein-mediated drug
        efflux by fumitremorgin-type indolyl diketopiperazines)
L10 ANSWER 41 OF 44 CAPLUS COPYRIGHT 2003 ACS
                                                       DUPLICATE 20
ACCESSION NUMBER:
                        1999:511178 CAPLUS
DOCUMENT NUMBER:
                         131:143080
TITLE:
                        A multidrug resistance protein associated with
                         antitumor drug resistance in breast cancer and a cDNA
                         encoding it
INVENTOR (S):
                         Ross, Douglas D.; Doyle, L. Austin; Abruzzo, Lynne
```

PATENT ASSIGNEE(S): University of Maryland, Baltimore, USA

SOURCE: PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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PATENT NO.
                   KIND DATE
                                       APPLICATION NO. DATE
    WO 9940110 A1 19990812 WO 1999-US2577 19990205
        W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
            DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
            KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
            NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
            UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
            FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
            CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                   CA 1999-2319715 19990205
    CA 2319715
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    AU 9927610
                     A1
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                                       AU 1999-27610
                                                        19990205
    AU 755567
                          20021212
                    B2
                                       EP 1999-908097 19990205
    EP 1054894
                    A1 20001129
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, FI
                          20011106
                                        US 1999-245808
                                                        19990205
    US 6313277
                     B1
                                        JP 2000-530538
    JP 2002502592
                     T2
                          20020129
                                                       19990205
                                        US 2001-961086 20010921
    US 2003036645
                     A1
                          20030220
                                     US 1998-73763P P 19980205
PRIORITY APPLN. INFO.:
                                     US 1999-245808
                                                    A3 19990205
                                                    W 19990205
                                     WO 1999-US2577
```

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

- AB The Breast Cancer Resistance Protein, a protein involved in the resistance of breast cancer to neoplasm inhibitors has been identified and a cDNA encoding it cloned and expressed. The protein may be if use in studying multidrug resistance in breast cancer and in developing alternate chemotherapies. The protein is a xenobiotic transporter conferring multidrug resistance that is a member ATP-binding cassette superfamily of transporter proteins. The protein confers resistance to mitoxantrone, doxorubicin, and daunorubicin but not to fumitremorgin C.
- ST breast cancer chemotherapy resistance transporter protein cDNA; BCRP breast cancer resistance protein cDNA cloning; fumitremorgin C breast cancer chemotherapy
- IT 118974-02-0, Fumitremorgin C
 - RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (treatment of multidrug resistant breast cancer with; multidrug resistance protein assocd. with antitumor drug resistance in breast cancer and cDNA encoding it)
- L10 ANSWER 42 OF 44 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 21

ACCESSION NUMBER: 1999:166654 BIOSIS DOCUMENT NUMBER: PREV199900166654

TITLE: Multiple mechanisms confer drug resistance to mitoxantrone

in the human 8226 myeloma cell line.

AUTHOR(S): Hazlehurst, Lori A.; Foley, Nils E.; Gleason-Guzman, Mary C.; Hacker, Miles P.; Cress, Anne E.; Greenberger, Lee W.;

De Jong, Mariska C.; Dalton, William S. (1)

CORPORATE SOURCE: (1) H. Lee Moffitt Cancer Center Res. Inst., 12902 Magnolia

Drive, Tampa, FL 33612-9497 USA

SOURCE: Cancer Research, (March 1, 1999) Vol. 59, No. 5, pp.

1021-1028.

ISSN: 0008-5472.

DOCUMENT TYPE: Article LANGUAGE: English

AB. . . line. The reduction in intracellular drug concentration of both mitoxantrone and BBR 3390 was reversed by a novel chemosensitizing agent, fumitremorgin C. In contrast, fumitremorgin C had no effect on resistance to mitoxantrone or BBR 3390 in the P-glycoprotein-positive 8226/DOX6 cell line. Increasing the degree. . . novel, energy-dependent drug efflux pump similar to P-glycoprotein and multidrug resistance-associated protein. Reversal of resistance by blocking drug efflux with fumitremorgin C should allow for functional analysis of this novel transporter in cancer cell lines or clinical tumor samples. Increased resistance to mitoxantrone may result from reduced intracellular drug accumulation, altered nuclear/cytoplasmic drug. . .

L10 ANSWER 43 OF 44 DRUGU COPYRIGHT 2003 THOMSON DERWENTDUPLICATE 22

ACCESSION NUMBER: 1999-34684 DRUGU P

TITLE: Fumitremorgin C reverses a novel multidrug resistance

mechanism in mitoxantrone-selected cells.

AUTHOR: Rabindran S K; He H; Singh M; Ross D D; Doyle L A; Yang W

CORPORATE SOURCE: Wyeth-Ayerst; Univ.Maryland; Nat.Cancer-Inst.Bethesda

LOCATION: Pearl River, N.Y.; Baltimore; Bethesda, Md., USA

SOURCE: Proc.Am.Assoc.Cancer Res. (40, 90 Meet., 315-16, 1999)

ISSN: 0197-016X

AVAIL. OF DOC.: Wyeth-Ayerst Research, Pearl River, NY 10965, U.S.A. (8

Authors).

LANGUAGE: English
DOCUMENT TYPE: Journal
FIELD AVAIL.: AB; LA; CT
FILE SEGMENT: Literature

The ability of fumitremorgin C (FTC) to reverse multidrug resistance of human colon carcinoma S1-M1-3.2 cells was investigated in-vitro. The rearrangement and overexpression of the gene for the half-transporter ATP-binding cassette protein, breast cancer resistance protein/mitoxantrone resistance gene (BCRP/MXR), was the major mechanism of resistance in S1-M1-3.2 cells. FTC was effective in reversing resistance. . . that FTC is a selective reversal agent for BCRP/MXR-mediated resistance. (conference abstract: 90th Annual Meeting of the American Association for Cancer Research, Philadelphia, Pennsylvania, USA, 1999). (No EX).

L10 ANSWER 44 OF 44 ADISINSIGHT COPYRIGHT (C) 2003 Adis Data Information BV

TX TEXT

Introduction:

Fumitremorgin C is a novel chemosensitising agent that was undergoing preclinical investigation with Wyeth-Ayerst, the University of Maryland, Baltimore, and the Baltimore Veterans Medical Center, USA, as a potential means of reversing drug resistance in cancer patients. However, no recent development of fumitremorgin C has been reported.

TX PHARMACOLOGY:

Pharmacodynamics (Cancer):

Preclinical studies: fumitremorgin C has been shown to reverse mitoxantrone-resistance in S1-M1-3.2 human colon cancer cells which overexpress the breast cancer resistance protein (BCRP). Reversal of drug-resistance was also observed in mitoxantrone- and doxorubicin and verapamil-resistant MCF-7 human breast cancer and mitoxantrone-resistant 8226 multiple myeloma cells overexpressing BCRP. In these cell lines, funitremorgin C-induced reversal of resistance was associated with increases in the amount of drug accumulation in the cells. In MCF-7/BCRP cells, fumitremorgin C (5 micromol/L)

caused 29.4-, 6.6- and 6.5-fold increases in the toxicities of mitoxantrone, doxorubicin and topotecan, respectively. It did.

=> d l10 ibib 30-39

L10 ANSWER 30 OF 44 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:220608 BIOSIS DOCUMENT NUMBER: PREV200200220608

Expression and activity of breast cancer resistance protein TITLE:

(BCRP) in de novo and relapsed acute myeloid leukemia. van der Kolk, Dorina M. (1); Vellenga, Edo (1); Scheffer, George L.; Muller, Michael; Bates, Susan E.; Scheper, Rik

J.; de Vries, Elisabeth G. E. (1)

CORPORATE SOURCE: (1) Hematology and Medical Oncology, University Hospital

Groningen, Groningen Netherlands

Blood, (November 16, 2001) Vol. 98, No. 11 Part 1, pp. SOURCE:

715a-716a. http://www.bloodjournal.org/. print.

Meeting Info.: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11,

ISSN: 0006-4971.

DOCUMENT TYPE: LANGUAGE:

AUTHOR(S):

Conference English

L10 ANSWER 31 OF 44 SCISEARCH COPYRIGHT 2003 THOMSON ISI

ACCESSION NUMBER: 2002:71391 SCISEARCH

THE GENUINE ARTICLE: 511TE

TITLE: The role of half-transporters in multidrug resistance AUTHOR: Bates S E (Reprint); Robey R; Miyake K; Rao K; Ross D D;

Litman T

CORPORATE SOURCE: NCI, Med Branch, Bldg 10, Bethesda, MD 20892 USA

> (Reprint); NCI, Med Branch, Bethesda, MD 20892 USA; Univ Maryland, Greenebaum Canc Ctr, College Pk, MD 20742 USA; Univ Maryland, Sch Med, Dept Med, Div Hematol Oncol, College Pk, MD 20742 USA; Vet Adm Med Ctr, Baltimore, MD 21218 USA; Herlev Univ Hosp, Lab Oncol, DK-2730 Herlev,

Denmark

COUNTRY OF AUTHOR:

USA: Denmark

SOURCE:

JOURNAL OF BIOENERGETICS AND BIOMEMBRANES, (DEC 2001) Vol.

33, No. 6, pp. 503-511.

Publisher: KLUWER ACADEMIC/PLENUM PUBL, 233 SPRING ST, NEW

YORK, NY 10013 USA. ISSN: 0145-479X. Article; Journal

DOCUMENT TYPE: LANGUAGE:

English

REFERENCE COUNT:

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L10 ANSWER 32 OF 44 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

2002:46901 CAPLUS

DOCUMENT NUMBER:

137:125308

TITLE:

Solid phase synthesis of fumitremorgin-type and other

indole alkaloids based on cyclization/cleavage

strategy

AUTHOR (S):

van Loevezijn, Arnold; Rodenko, Boris; Sorm, Willem P.; van Maarseveen, Jan H.; Stegman, Karel; Visser, Geb M.; van Delft, Floris L.; Koomen, Gerrit-Jan

CORPORATE SOURCE:

Laboratory of Organic Chemistry, Institute for Molecular Chemistry, University of Amsterdam,

Amsterdam, NL-1018 WS, Neth.

SOURCE:

Innovation and Perspectives in Solid Phase Synthesis &

Combinatorial Libraries: Peptides, Proteins and Nucleic Acids -- Small Molecule Organic Chemistry

Diversity, Collected Papers, International Symposium, 6th, York, United Kingdom, Aug. 31-Sept. 4, 1999 (2001

), Meeting Date 1999, 367-370. Editor(s): Epton, Roger. Mayflower

Scientific Ltd.: Kingswinford, UK. CODEN: 69CEGV; ISBN: 0-9515735-3-5

DOCUMENT TYPE: Conference LANGUAGE: English

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 33 OF 44 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 14

ACCESSION NUMBER: 2001:515626 SCISEARCH

THE GENUINE ARTICLE: 444TG

TITLE: A functional assay for detection of the mitoxantrone

resistance protein, MXR (ABCG2)

AUTHOR: Robey R W; Honjo Y; van de Laar A; Miyake K; Regis J T;

Litman T; Bates S E (Reprint)

CORPORATE SOURCE: NCI, Dev Therapeut Dept, Med Branch, Ctr Canc Res, NIH,

Bldg 10, Room 12N226, 9000 Rockville Pike, Bethesda, MD 20892 USA (Reprint); NCI, Dev Therapeut Dept, Med Branch,

Ctr Canc Res, NIH, Bethesda, MD 20892 USA

COUNTRY OF AUTHOR: USA

SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES, (6 JUN 2001)

Vol. 1512, No. 2, pp. 171-182.

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE

AMSTERDAM, NETHERLANDS.

ISSN: 0005-2736.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 40

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L10 ANSWER 34 OF 44 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 15

ACCESSION NUMBER: 2001:121246 CAPLUS

DOCUMENT NUMBER: 135:70810

TITLE: Overexpression of the ATP-binding cassette

half-transporter, ABCG2 (MXR/BCRP/ABCP1), in flavopiridol-resistant human breast cancer cells Robey, Robert W.: Medina-Perez, Wilma Y.: Nishiyama

AUTHOR(S): Robey, Robert W.; Medina-Perez, Wilma Y.; Nishiyama,

Kenryu; Lahusen, Tyler; Miyake, Keisuke; Litman, Thomas; Senderowicz, Adrian M.; Ross, Douglas D.;

Bates, Susan E.

CORPORATE SOURCE: Developmental Therapeutics Department, Medicine

Branch, National Cancer Institute, NIH, Bethesda, MD,

20892, USA

SOURCE: Clinical Cancer Research (2001), 7(1), 145-152

CODEN: CCREF4; ISSN: 1078-0432

PUBLISHER: American Association for Cancer Research

DOCUMENT TYPE: Journal LANGUAGE: English

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 35 OF 44 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE

ACCESSION NUMBER: 2001:371212 BIOSIS DOCUMENT NUMBER: PREV200100371212

TITLE: Functional characterization of the human multidrug

transporter, ABCG2, expressed in insect cells.

AUTHOR(S): Ozvegy, Csilla; Litman, Thomas; Szakacs, Gergely; Nagy,

Zoltan; Bates, Susan; Varadi, Andras; Sarkadi, Balazs (1)

CORPORATE SOURCE: (1) Membrane Research Group, National Institute of

Haematology and Immunology, Hungarian Academy of Sciences, Daroczi ut 24, H-1113, Budapest: sarkadi@biomembrane.hu

Hungary

SOURCE: Biochemical and Biophysical Research Communications, (July

6, 2001) Vol. 285, No. 1, pp. 111-117. print.

ISSN: 0006-291X.

DOCUMENT TYPE:

Article English

LANGUAGE:

SUMMARY LANGUAGE: English

ANSWER 36 OF 44 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE

ACCESSION NUMBER: DOCUMENT NUMBER:

2001:77915 BIOSIS PREV200100077915

TITLE:

SOURCE:

Inhibition of BCRP-mediated drug efflux by fumitremorgin-type indolyl diketopiperazines.

AUTHOR (S):

van Loevezijn, Arnold; Allen, John D.; Schinkel, Alfred H.;

Koomen, Gerrit-Jan (1)

CORPORATE SOURCE:

(1) Laboratory of Organic Chemistry, Institute of Molecular Chemistry, University of Amsterdam, Nieuwe Achtergracht

129, NL-1018 WS, Amsterdam: gjk@org.chem.uva.nl Netherlands Bioorganic & Medicinal Chemistry Letters, (8 January, 2001)

Vol. 11, No. 1, pp. 29-32. print.

ISSN: 0960-894X.

DOCUMENT TYPE:

Article English

LANGUAGE:

SUMMARY LANGUAGE: English

L10 ANSWER 37 OF 44 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. ACCESSION NUMBER: 2000:275622 BIOSIS

DOCUMENT NUMBER:

PREV200000275622

TITLE:

Overexpression of the breast cancer resistance protein (BCRP) induces resistance to mitoxantrone,

daunorubicin, topotecan, vincristin and SN-38 which can be

blocked by novobiocin and fumitremorgin C (FTC). Quantification by the comparative growth assay.

AUTHOR(S):

Hausner, Petr Frantisek (1); Sun, Rong Jung (1); Ross,

Douglas D. (1); Doyle, Laurence Austin (1)

CORPORATE SOURCE:

SOURCE:

(1) Univ of Maryland Medicine, Baltimore, MD USA

Proceedings of the American Association for Cancer Research Annual Meeting, (March, 2000) No. 41, pp. 801. print..

Meeting Info.: 91st Annual Meeting of the American

Association for Cancer Research. San Francisco, California,

USA April 01-05, 2000

ISSN: 0197-016X.

DOCUMENT TYPE:

Conference English

LANGUAGE: SUMMARY LANGUAGE: English

ANSWER 38 OF 44 DRUGU COPYRIGHT 2003 THOMSON DERWENT

ACCESSION NUMBER: 2000-32991 DRUGU

TITLE:

Overexpression of the breast cancer resistance protein (BCRP) induces resistance to mitoxantrone,

daunorubicin, topotecan, vincristine and SN-38 which can be

blocked by novobiocin and fumitremorgin C (FTC). Quantification by the comparative growth assay. Hausner P F; Sun R J; Ross D D; Doyle L A

CORPORATE SOURCE: Univ.Maryland

LOCATION: Baltimore, Md., USA

SOURCE: Proc. Am. Assoc. Cancer Res. (41, 91 Meet., 801, 2000) ISS

N: 0197-016X

AVAIL. OF DOC.: Univ of Maryland Medicine, Baltimore, MD, U.S.A.

LANGUAGE: English DOCUMENT TYPE: Journal FIELD AVAIL.: AB; LA; CT FILE SEGMENT: Literature

L10 ANSWER 39 OF 44 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE

18

ACCESSION NUMBER: 2000:110068 BIOSIS DOCUMENT NUMBER: PREV200000110068

TITLE: Fumitremorgin C reverses multidrug resistance in

cells transfected with the breast cancer

resistance protein.

AUTHOR(S): Rabindran, Sridhar K. (1); Ross, Douglas D.; Doyle, L.

Austin; Yang, Weidong; Greenberger, Lee M.

CORPORATE SOURCE: (1) Wyeth-Ayerst Research, 401 North Middletown Road,

Building 200, Room 4608, Pearl River, NY, 10965 USA

SOURCE: Cancer Research, (Jan., 2000) Vol. 60, No. 1, pp. 47-50.

ISSN: 0008-5472.

DOCUMENT TYPE:

LANGUAGE:

Article English

SUMMARY LANGUAGE:

English

L14 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1992:210833 CAPLUS

DOCUMENT NUMBER: 116:210833

TITLE: Structures of cytotoxic substances and new quinazoline

derivatives produced by a fungus from a saltwater fish Numata, Atsushi; Takahashi, Chika; Miyamoto, Tamie;

Matsushita, Tomochika; Kawai, Kenzo; Usami, Yoshihide; Matsumura, Eiko; Inoue, Masatoshi; Ohishi, Hirofumi;

Shingu, Tetsuro

CORPORATE SOURCE: Osaka Univ. Pharm. Sci., Osaka, Japan

SOURCE: Tennen Yuki Kagobutsu Toronkai Koen Yoshishu (1991),

33rd, 723-30 CODEN: TYKYDS

DOCUMENT TYPE: Journal LANGUAGE: Japanese

IT Neoplasm inhibitors

AUTHOR (S):

(leukemia, fumiquinazolines as, from Aspergillus fumigatus)

IT 67-99-2, Gliotoxin 253-82-7D, Quinazoline, derivs. 12771-72-1, Verruculogen 51177-07-2 62867-47-4, Fumigaclavine C 74149-38-5

111427-99-7, TR 3 111468-06-5 115589-18-9 118974-02-0, Fumitremorgin C 137494-04-3 140715-85-1, Fumiquinazoline A 140715-86-2, Fumiquinazoline D 140715-87-3, Fumiquinazoline E 140852-71-7, Fumiquinazoline B 140924-01-2, Fumiquinazoline C

RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); BIOL (Biological study)

(structure and cytotoxic activity of, from Aspergillus fumigatus)

23 79815-18-2/BI 63044 (104-15-4/BI OR 107454-63-7/BI OR 107494-27-9/BI OR 107537-42-8/

L2

BI OR 107537-43-9/BI OR 111768-16-2/BI OR 118974-02-0/BI OR 12626-17-4/BI OR 12626-18-5/BI OR 127940-23-2/BI OR 147-85-3/BI OR 14907-27-8/BI OR 1723-00-8/BI OR 191279-38-6/BI OR 197891-66-0/BI OR 2133-34-8/BI OR 25408-61-1/BI OR 259526-93-7/BI OR 259526-96-0/BI OR 259526-97-1/BI OR 259526-98-2/BI OR 259526-99-3/BI OR 259527-01-0/BI OR 259527-02-1/BI OR 259527-03-2/BI OR 259527-04-3/BI OR 259527-05-4/BI OR 259527-06-5/BI OR 259527-07-6/BI OR 259527-08-7/BI OR 259527-10-1/BI OR 259527-11-2/BI OR 259527-12-3/BI OR 259527-13-4/BI OR 259527-14-5/BI OR 259527-15-6/BI OR 259527-16-7/BI OR 259527-17-8/BI OR 259527-18-9/BI OR 259527-19-0/BI OR 259527-20-3/BI OR 259527-21-4/BI OR 259527-22-5/BI OR 259527-23-6/BI OR 26988-7 1-6/BI OR 3105-95-1/BI OR 344-25-2/BI OR 410532-91-1/BI OR 410532-92-2/BI OR 410532-93-3/BI OR

L11 ANSWER 1 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2003:335139 CAPLUS DOCUMENT NUMBER: 138:332878 TITLE: Application of a human multidrug transporter (abcg2) variant as selectable marker in gene transfer to progenitor cells and in gene therapy Nemet, Katalin; Varadi, Gyorgy; Cervenak, Judit; INVENTOR(S): Ujhelly, Olga; Sarkadi, Balazs; Varadi, Andras; Oezvegy, Csilla PATENT ASSIGNEE(S): Solvo Biotechnology Inc., Hung. SOURCE: PCT Int. Appl., 44 pp. CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE WO 2003035685 A1 20030501 WO 2002-HU108 20021024 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG WO 2002071073 A2 20020912 WO 2002-HU15 20020304 A3 WO 2002071073 20030403 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG A 20011024 A 20020304 A 20021011 A 20010302 PRIORITY APPLN. INFO.: HU 2001-4446 WO 2002-HU15 HU 2002-3435 HU 2001-947 REFERENCE COUNT: THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L11 ANSWER 2 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2003:3461 CAPLUS DOCUMENT NUMBER: 138:395505 TITLE: Breast cancer resistance protein (BCRP/ABCG2) induces cellular resistance to HIV-1 nucleoside reverse transcriptase inhibitors AUTHOR (S): Wang, Xin; Furukawa, Tatsuhiko; Nitanda, Takao; Okamoto, Mika; Sugimoto, Yoshikazu; Akiyama, Shin-Ichi; Baba, Masanori CORPORATE SOURCE: Division of Human Retroviruses, Center for Chronic Viral Diseases, Faculty of Medicine, Kagoshima University, Kagoshima, Japan

Molecular Pharmacology (2003), 63(1), 65-72

SOURCE:

CODEN: MOPMA3; ISSN: 0026-895X

PUBLISHER: American Society for Pharmacology and Experimental

Therapeutics

DOCUMENT TYPE: Journal LANGUAGE: English

REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:696659 CAPLUS

DOCUMENT NUMBER: 137:222100

Improving bioavailability of orally administered TITLE:

drugs, screening for enhancers of such bioavailability

and oral drug delivery compositions

Schellens, Johannes Henricus Matthias; Schinkel, INVENTOR(S):

Alfred Hermanus

Netherlands Cancer Institute, Neth. PATENT ASSIGNEE(S):

U.S. Pat. Appl. Publ., 11 pp., Cont.-in-part of Appl. SOURCE:

No. PCT/NL00/00331.

CODEN: USXXCO

DOCUMENT TYPE:

LANGUAGE:

Patent English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

KIND DATE PATENT NO. APPLICATION NO. DATE ---------------US 2002128282 A2 2000112 A3 20011213 ~M AT, AU, A1 20020912 US 2001-988285 20011119 WO 2000-NL331 20000517 WO 2000069390 20001123 WO 2000069390 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

NL 1999-1012066 A 19990517 NL 1999-1012481 A 19990630 A2 20000517 WO 2000-NL331

L11 ANSWER 4 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:696257 CAPLUS

DOCUMENT NUMBER: 137:226574

TITLE: Screening system based on expression of ABCG2 half

transporter protein

INVENTOR (S): Oezvegy, Csilla; Szakacs, Gergely; Varadi, Andras;

Nagy, Zoltan

PATENT ASSIGNEE(S): Solvo Biotechnology Inc., Hung.

PCT Int. Appl., 26 pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE: Patent English LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
WO 2002071073	A2	20020912	WO 2002-HU15	20020304		
WO 2002071073	ΔЗ	20030403				

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
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             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                      A1 20030501
                                         WO 2002-HU108 20021024
            AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,
             RU, TJ, TM
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             CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
             NE, SN, TD, TG
PRIORITY APPLN. INFO.:
                                        HU 2001-947
                                                         A 20010302
                                        HU 2001-4446
                                                        A 20011024
                                                        A 20020304
                                        WO 2002-HU15
                                                        A 20021011
                                        HU 2002-3435
L11 ANSWER 5 OF 47 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER:
                         2002:524344 CAPLUS
DOCUMENT NUMBER:
                         138:201203
                         Flow cytometric analysis of breast cancer resistance
TITLE:
                         protein expression and function
AUTHOR (S):
                         Minderman, Hans; Suvannasankha, Attaya; O'Loughlin,
                         Kieran L.; Scheffer, George L.; Scheper, Rik J.;
                         Robey, Robert W.; Baer, Maria R.
                         Leukemia Section, Department of Medicine, Roswell Park
CORPORATE SOURCE:
                         Cancer Institute, Buffalo, NY, USA
SOURCE:
                         Cytometry (2002), 48(2), 59-65
                         CODEN: CYTODQ; ISSN: 0196-4763
PUBLISHER:
                         Wiley-Liss, Inc.
DOCUMENT TYPE:
                         Journal
LANGUAGE:
                         English
REFERENCE COUNT:
                               THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS
                         27
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
L11 ANSWER 6 OF 47 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER:
                         2002:290794 CAPLUS
DOCUMENT NUMBER:
                         136:304053
TITLE:
                         Reversal of multidrug resistance in human colon
                         carcinoma cells using fumitremorgins and
                         diketopiperazines
                         Rabindran, Sridhar Krishna; He, Haiyin; Greenberger,
INVENTOR(S):
                         Lee Martin
PATENT ASSIGNEE(S):
                         American Cyanamid Company, USA
SOURCE:
                         U.S., 19 pp.
                         CODEN: USXXAM
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         English
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
     PATENT NO.
                     KIND DATE
                                          APPLICATION NO.
                                                           DATE
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                           _____
                                           -----
                      B1
     US 6372775
                           20020416
                                          US 1999-321182
                                                            19990527
    US 2002156015
                     A1
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20021024

20021114

A1

US 2002169111

US 2002-86169

US 2002-86132

20020228

20020228

US 6537964 B1 20030325 US 2002-86170 20020228 US 2003083230 A1 20030501 US 2002-86133 20020228 PRIORITY APPLN. INFO.: US 1998-109801P P 19980527

US 1999-321182 A3 19990527

OTHER SOURCE(S): MARPAT 136:304053

REFERENCE COUNT: 72 THERE ARE 72 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 7 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2001:487684 CAPLUS

DOCUMENT NUMBER: 135:328480

TITLE: Functional Characterization of the Human Multidrug

Transporter, ABCG2, Expressed in Insect Cells

AUTHOR(S): Ozvegy, Csilla; Litman, Thomas; Szakacs, Gergely;

Nagy, Zoltan; Bates, Susan; Varadi, Andras; Sarkadi,

Balazs

CORPORATE SOURCE: Institute of Enzymology, Biological Research Center,

Hungarian Academy of Sciences, Budapest, H-1113, Hung.

SOURCE: Biochemical and Biophysical Research Communications

(2001), 285(1), 111-117

CODEN: BBRCA9; ISSN: 0006-291X

PUBLISHER: Academic Press

DOCUMENT TYPE: Journal LANGUAGE: English

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 8 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2001:429174 CAPLUS

DOCUMENT NUMBER: 135:285265

TITLE: A functional assay for detection of the mitoxantrone

resistance protein, MXR (ABCG2)

AUTHOR(S): Robey, R. W.; Honjo, Y.; van de Laar, A.; Miyake, K.;

Regis, J. T.; Litman, T.; Bates, S. E.

CORPORATE SOURCE: Center for Cancer Research, Medicine Branch,

Developmental Therapeutics Department, National Cancer Institute, National Institutes of Health, Bethesda,

MD, 20892, USA

SOURCE: Biochimica et Biophysica Acta (2001), 1512(2), 171-182

CODEN: BBACAQ; ISSN: 0006-3002

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal LANGUAGE: English

REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 9 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:1542 CAPLUS

DOCUMENT NUMBER: 135:1496

TITLE: Species-specific profiles of mycotoxins produced in

cultures and associated with conidia of airborne fungi

derived from biowaste

AUTHOR(S): Fischer, Guido; Muller, Thomas; Schwalbe, Regina;

Ostrowski, Rene; Dott, Wolfgang

CORPORATE SOURCE: Institute of Hygiene and Environmental Medicine,

University Hospital, RWTH Aachen, Aachen, D-52057,

Germany

SOURCE: International Journal of Hygiene and Environmental

Health (2000), 203(2), 105-116 CODEN: IJEHFT; ISSN: 1438-4639

PUBLISHER: Urban & Fischer Verlag

DOCUMENT TYPE: Journal LANGUAGE: English

REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS

L11 ANSWER 10 OF 47 CAPLUS COPYRIGHT 2003 ACS 2000:895663 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 134:178712

A concise, efficient route to fumitremorgins TITLE:

Bailey, P. D.; Cochrane, P. J.; Lorenz, K.; Collier, AUTHOR (S):

I. D.; Pearson, D. P. J.; Rosair, G. M.

CORPORATE SOURCE: Department of Chemistry, Heriot-Watt University,

Riccarton, Edinburgh, EH14 4AS, UK

Tetrahedron Letters (2001), 42(1), 113-115 SOURCE:

CODEN: TELEAY; ISSN: 0040-4039

Elsevier Science Ltd. PUBLISHER:

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 134:178712

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 24 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 11 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:872654 CAPLUS

DOCUMENT NUMBER: 134:216800

Inhibition of BCRP-mediated drug efflux by TITLE:

fumitremorgin-type indolyl diketopiperazines

AUTHOR (S): van Loevezijn, A.; Allen, J. D.; Schinkel, A. H.;

Koomen, G.-J.

Institute of Molecular Chemistry, Laboratory of CORPORATE SOURCE:

Organic Chemistry, University of Amsterdam, Amsterdam,

NL-1018 WS, Neth.

SOURCE: Bioorganic & Medicinal Chemistry Letters (2000),

> Volume Date 2001, 11(1), 29-32 CODEN: BMCLE8; ISSN: 0960-894X

Elsevier Science Ltd. PUBLISHER:

DOCUMENT TYPE: Journal English LANGUAGE:

REFERENCE COUNT: THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS 23

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 12 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:824069 CAPLUS

DOCUMENT NUMBER: 134:9341

A method of improving bioavailability of orally TITLE:

> administered drugs, screening for enhancers of such bioavailability and novel pharmaceutical compositions

for oral delivery of drugs

Schellens, Johannes Henricus Matthias; Schinkel, INVENTOR(S):

Alfred Hermanus

PATENT ASSIGNEE(S): Het Nederlands Kankerinstituut, Neth.

SOURCE: PCT Int. Appl., 25 pp.

CODEN: PIXXD2

Patent

DOCUMENT TYPE: LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE ____ ______ A2 20001123 WO 2000-NL331 WO 2000069390 20000517 A3 20011213 WO 2000069390

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,

ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,

LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,

CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2000049552 A5 20010205 AU 2000-49552 20000517 EP 1189637 A2 20020327 EP 2000-931720 20000517

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO

US 2002128282 A1 20020912 US 2001-988285 20011119

PRIORITY APPLN. INFO.: NL 1999-1012066 A 19990517

NL 1999-1012481 A 19990630 WO 2000-NL331 W 20000517

L11 ANSWER 13 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:417317 CAPLUS

DOCUMENT NUMBER: 133:193311

TITLE: A Biomimetic Total Synthesis of (-)-Spirotryprostatin

B and Related Studies

AUTHOR(S): Wang, Haishan; Ganesan, A.

CORPORATE SOURCE: Institute of Molecular and Cell Biology, National

University of Singapore, Singapore, 117609, Singapore Journal of Organic Chemistry (2000), 65(15), 4685-4693

CODEN: JOCEAH; ISSN: 0022-3263

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal LANGUAGE: English

SOURCE:

OTHER SOURCE(S): CASREACT 133:193311

REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 14 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:72225 CAPLUS

DOCUMENT NUMBER: 132:216690

TITLE: Fumitremorgin C reverses multidrug resistance in cells

transfected with the breast cancer resistance protein

AUTHOR(S): Rabindran, Sridhar K.; Ross, Douglas D.; Doyle, L.

Austin; Yang, Weidong; Greenberger, Lee M.

CORPORATE SOURCE: Oncology and Immunoinflammatory Research, Wyeth-Ayerst

Research, Pearl River, NY, 10965, USA Cancer Research (2000), 60(1), 47-50

SOURCE: Cancer Research (2000), 60(1), CODEN: CNREA8; ISSN: 0008-5472

PUBLISHER: AACR Subscription Office

DOCUMENT TYPE: Journal LANGUAGE: English

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 15 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:27209 CAPLUS

DOCUMENT NUMBER: 132:180759

TITLE: Fumitremorgin C analogs that reverse mitoxantrone

resistance in human colon carcinoma cells

AUTHOR(S): He, Haiyin; Rabindran, Sridhar G.; Greenberger, Lee

M.; Carter, Guy T.

CORPORATE SOURCE: Natural Products Chemistry, Wyeth-Ayerst Research,

Pearl River, NY, 10965, USA

SOURCE: Medicinal Chemistry Research (1999), 9(6), 424-437

CODEN: MCREEB; ISSN: 1054-2523

PUBLISHER: Birkhaeuser Boston

DOCUMENT TYPE: Journal LANGUAGE: English

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 16 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:663792 CAPLUS

DOCUMENT NUMBER:

The N-Acyliminium Pictet-Spengler Condensation as a TITLE:

Multicomponent Combinatorial Reaction on Solid Phase

and Its Application to the Synthesis of Demethoxyfumitremorgin C Analogues

Wang, Haishan; Ganesan, A. AUTHOR (S):

CORPORATE SOURCE: Institute of Molecular and Cell Biology, National

> University of Singapore, 117609, Singapore Organic Letters (1999), 1(10), 1647-1649

CODEN: ORLEF7; ISSN: 1523-7060

American Chemical Society PUBLISHER:

DOCUMENT TYPE: Journal LANGUAGE: English

CASREACT 132:23122 OTHER SOURCE(S):

REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 17 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1999:511178 CAPLUS 131:143080

DOCUMENT NUMBER: TITLE:

SOURCE:

A multidrug resistance protein associated with

antitumor drug resistance in breast cancer and a cDNA

APPLICATION NO. DATE

encoding it

INVENTOR (S): Ross, Douglas D.; Doyle, L. Austin; Abruzzo, Lynne

PATENT ASSIGNEE(S): SOURCE:

University of Maryland, Baltimore, USA PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE:

Patent English

KIND DATE

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.

PATENT NO. KIND DATE									APPLICATION NO. DATE									
	MO.	0040	A1 19990812				- 141	WO 1000 HG2577					1000000					
	WO																C I	D.
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			UA,	ŪG,	UΖ,	VN,	YU,	ZW,	AM,	AZ,	BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM	
		RW:														DE,		
			FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,
			CM,	GA,	GN,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG						•
	CA	2319	715		A.	A.	1999	0812		C.	A 19	99-2	3197	15	1999	0205		
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	AU	7555	67		B	2	2002	1212										
EP 1054894			A1 20001129			EP 1999-908097						19990205						
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L11 ANSWER 18 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1999:173577 CAPLUS

DOCUMENT NUMBER:

131:13477

TITLE:

Multiple mechanisms confer drug resistance to

mitoxantrone in the human 8226 myeloma cell line
AUTHOR(S): Hazlehurst, Lori A.; Foley, Nils E.; Gleason-Guzman,

Mary C.; Hacker, Miles P.; Cress, Anne E.;

Creenbourger Ico W . Do Jone Maniello C . Dolt

Greenberger, Lee W.; De Jong, Mariska C.; Dalton,

William S.

CORPORATE SOURCE: Department of Biochemistry, Pharmacology, and Internal

Medicine, H. Lee Moffitt Cancer Center, University of

South Florida, Tampa, FL, 33612, USA

SOURCE: Cancer Research (1999), 59(5), 1021-1028

CODEN: CNREA8; ISSN: 0008-5472

PUBLISHER: AACR Subscription Office

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 19 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:129321 CAPLUS

DOCUMENT NUMBER: 130:352456

TITLE: Total Synthesis of Spirotryprostatin A, Leading to the

Discovery of Some Biologically Promising Analogs

AUTHOR(S): Edmondson, Scott; Danishefsky, Samuel J.;

Sepp-Lorenzino, Laura; Rosen, Neal

CORPORATE SOURCE: Department of Chemistry, Columbia University, New

York, NY, 10027, USA

SOURCE: Journal of the American Chemical Society (1999),

121(10), 2147-2155

CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 130:352456

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 20 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:2922 CAPLUS

DOCUMENT NUMBER: 130:177236

TITLE: Reversal of a novel multidrug resistance mechanism in

human colon carcinoma cells by fumitremorgin C

AUTHOR(S): Rabindran, Sridhar K.; He, Haiyin; Singh, Maya; Brown,

Eileen; Collins, Karen I.; Annable, Tami; Greenberger,

Lee M.

CORPORATE SOURCE: Oncology and Immunology Research, Wyeth-Ayerst

Research, Pearl River, NY, 10965, USA Cancer Research (1998), 58(24), 5850-5858

CODEN: CNREA8; ISSN: 0008-5472

PUBLISHER: AACR Subscription Office

DOCUMENT TYPE: Journal LANGUAGE: English

SOURCE:

LANGUAGE: English

REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 21 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1998:808188 CAPLUS

DOCUMENT NUMBER: 130:261258

TITLE: Pharmacological activities of Aspergillus fumiqatus

products and prospects as new antitumor drugs

AUTHOR(S): Zhu, Ping; Liu, Jubo CORPORATE SOURCE: Institute of Materia

products and prospects as new antitumor drugs

Institute of Materia Medica, Chinese Academy of Medical Sciences, Peking Union Medical College,

Beijing, 100050, Peop. Rep. China

SOURCE: Zhongguo Yaoxue Zazhi (Beijing) (1998), 33(11),

645-648

CODEN: ZYZAEU; ISSN: 1001-2494

PUBLISHER: Zhongguo Yaoxuehui

DOCUMENT TYPE: Journal; General Review

LANGUAGE: Chinese

L11 ANSWER 22 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1998:322579 CAPLUS

DOCUMENT NUMBER: 129:54474

The total synthesis of spirotryprostatin A TITLE: Edmondson, Scott D.; Danishefsky, Samuel J. AUTHOR(S):

CORPORATE SOURCE: Department Chemistry, Columbia University, New York,

NY, 10021, USA

Angewandte Chemie, International Edition (1998), SOURCE:

37(8), 1138-1140

CODEN: ACIEF5; ISSN: 1433-7851

Wiley-VCH Verlag GmbH PUBLISHER:

DOCUMENT TYPE: Journal English

LANGUAGE:

CASREACT 129:54474 OTHER SOURCE(S):

REFERENCE COUNT: THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 23 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:191684 CAPLUS

DOCUMENT NUMBER: 128:294913

TITLE: Total synthesis of fumitremorgins and verruculogens

AUTHOR (S): Hino, Tohru; Nakagawa, Masako

CORPORATE SOURCE: Fac. Pharmaceutical Sci., Chiba Univ., Chiba, 263,

Japan

SOURCE: Heterocycles (1997), 46, 673-704

CODEN: HTCYAM; ISSN: 0385-5414

PUBLISHER: Japan Institute of Heterocyclic Chemistry

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

THERE ARE 83 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 83

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 24 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:16501 CAPLUS

DOCUMENT NUMBER: 128:23046

TITLE: Enantiospecific Synthesis of Optically Active

6-Methoxytryptophan Derivatives and Total Synthesis of

Tryprostatin A

AUTHOR (S): Gan, Tong; Liu, Ruiyan; Yu, Peng; Zhao, Shuo; Cook,

James M.

CORPORATE SOURCE: Department of Chemistry, University of Wisconsin,

Milwaukee, WI, 53201, USA

SOURCE: Journal of Organic Chemistry (1997), 62(26), 9298-9304

CODEN: JOCEAH; ISSN: 0022-3263

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 128:23046

L11 ANSWER 25 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:785131 CAPLUS DOCUMENT NUMBER: 128:59275

TITLE: Growth and mycotoxin production by Aspergillus

fumigatus strains isolated from a saltern

AUTHOR (S): Tepsic, Katarina; Gunde-Cimerman, Nina; Frisvad, Jens

C.

Dep. Biotechnol. Ind. Mycol., Natl. Inst. Chem., CORPORATE SOURCE:

Ljubljana, 1000, Slovenia

SOURCE: FEMS Microbiology Letters (1997), 157(1), 9-12 CODEN: FMLED7; ISSN: 0378-1097

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal LANGUAGE: English

L11 ANSWER 26 OF 47 CAPLUS COPYRIGHT 2003 ACS 1997:411507 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 127:65985

TITLE: Concise synthesis of the cell cycle inhibitor

demethoxyfumitremorgin C

AUTHOR (S): Wang, Haishan; Ganesan, Arasu

CORPORATE SOURCE: Inst. Molecular Cell Biology, National University

Singapore, Singapore, 119260, Singapore

SOURCE: Tetrahedron Letters (1997), 38(24), 4327-4328

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 127:65985

L11 ANSWER 27 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:149254 CAPLUS

DOCUMENT NUMBER: 126:212283

TITLE: Enantiospecific total synthesis of tryprostatin A

AUTHOR(S): Gan, Tong; Cook, James M.

CORPORATE SOURCE: Dep. Chem., Univ. Wisconsin-Milwaukee, Milwaukee, WI,

53201, USA

SOURCE: Tetrahedron Letters (1997), 38(8), 1301-1304

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 126:212283

L11 ANSWER 28 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:123459 CAPLUS

DOCUMENT NUMBER: 126:220245

TITLE: Screening of cell cycle inhibitors from microbial

metabolites by a bioassay using a mouse cdc2 mutant

cell line, tsFT210

AUTHOR (S): Osada, Hiroyuki; Cui, Cheng-Bin; Onose, Rie; Hanaoka,

Fumio

CORPORATE SOURCE: The Institute of Physical and Chemical Research

(RIKEN), Saitama, 351-01, Japan

SOURCE: Bioorganic & Medicinal Chemistry (1997), 5(1), 193-203

CODEN: BMECEP; ISSN: 0968-0896

PUBLISHER: Elsevier DOCUMENT TYPE: Journal LANGUAGE: English

L11 ANSWER 29 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1996:703657 CAPLUS

DOCUMENT NUMBER: 126:16546

TITLE: Isolation, structure determination and biological

> activities of novel mammalian cell cycle inhibitors, spirotryprostatins A & B, tryprostatins A & B and related new diketopiperazine derivatives produced by a

fungus, Aspergillus fumigatus

AUTHOR(S): Cui, Cheng-Bin; Kakeya, Hideaki; Osada, Hiroyuki CORPORATE SOURCE: Institute Physical and Chemical Research, Japan SOURCE:

Tennen Yuki Kagobutsu Toronkai Koen Yoshishu (1996),

38th, 49-54 CODEN: TYKYDS

PUBLISHER: Nippon Kagakkai DOCUMENT TYPE:

Journal

LANGUAGE:

Japanese

L11 ANSWER 30 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1996:596801 CAPLUS

DOCUMENT NUMBER:

CORPORATE SOURCE:

125:269949

TITLE:

Novel mammalian cell cycle inhibitors,

spirotryprostatins A and B, produced by Aspergillus fumigatus, which inhibit mammalian cell cycle at G2/M

phase

AUTHOR (S):

Cui, Cheng-Bin; Kakeya, Hideaki; Osada, Hiroyuki Inst. Phys. Chemical Res., Saitama, 351-01, Japan

SOURCE:

Tetrahedron (1996), 52(39), 12651-12666

CODEN: TETRAB; ISSN: 0040-4020

PUBLISHER: DOCUMENT TYPE: Elsevier Journal

LANGUAGE:

English

L11 ANSWER 31 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1996:390297 CAPLUS

DOCUMENT NUMBER:

125:143111

TITLE:

Novel mammalian cell cycle inhibitors, tryprostatins

A, B and other diketopiperazines produced by

Aspergillus fumigatus. II. Physico-chemical properties

and structures

AUTHOR (S):

CORPORATE SOURCE:

SOURCE:

Cui, Cheng-Bin; Kakeya, Hideaki; Osada, Hiroyuki Inst. Phys. Chem. Res., Saitama, 351-01, Japan Journal of Antibiotics (1996), 49(6), 534-540

CODEN: JANTAJ; ISSN: 0021-8820

PUBLISHER:

Japan Antibiotics Research Association

DOCUMENT TYPE:

LANGUAGE:

Journal English

L11 ANSWER 32 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1996:390296 CAPLUS

DOCUMENT NUMBER:

125:81495

TITLE:

Novel mammalian cell cycle inhibitors, tryprostatins

A, B and other diketopiperazines produced by Aspergillus fumigatus. I. Taxonomy, fermentation,

isolation and biological properties

AUTHOR (S):

Cui, Cheng-Bin; Kakeya, Hiedaki; Okada, Gen; Onose,

Rie; Osada, Hiroyuki

CORPORATE SOURCE:

SOURCE:

Inst. Phys. Chem. Res., Saitama, 351-01, Japan Journal of Antibiotics (1996), 49(6), 527-533

CODEN: JANTAJ; ISSN: 0021-8820

PUBLISHER:

Japan Antibiotics Research Association

DOCUMENT TYPE:

LANGUAGE:

Journal English

L11 ANSWER 33 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1993:650218 CAPLUS

DOCUMENT NUMBER:

119:250218

TITLE:

Model studies related to the total synthesis of the fumitremorgins; the Pictet-Spengler cyclization and the formation and intramolecular acylation of a

1,2-dihydro-.beta.-carboline derivative

AUTHOR (S) : CORPORATE SOURCE: Harrison, David M.; Sharma, Ram Bilas

Dep. Chem., Univ. Warwick, Coventry, CV4 7AL, UK

SOURCE: Tetrahedron (1993), 49(15), 3165-84

CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE:

LANGUAGE:

Journal English

OTHER SOURCE(S):

CASREACT 119:250218

L11 ANSWER 34 OF 47 CAPLUS COPYRIGHT 2003 ACS

1993:428415 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER:

An asymmetric route to the demethoxyfumitremorgins TITLE: AUTHOR (S): Bailey, Patrick D.; Hollinshead, Sean P.; Mclay, Neil R.; Everett, Judith H.; Reynolds, Colin D.; Wood,

Stephen D.; Giordano, Federico

Dep. Chem., Univ. York, Heslington/York, YO1 5DD, UK CORPORATE SOURCE: SOURCE: Journal of the Chemical Society, Perkin Transactions

1: Organic and Bio-Organic Chemistry (1972-1999)

(1993), (4), 451-8

CODEN: JCPRB4; ISSN: 0300-922X

DOCUMENT TYPE:

Journal English

LANGUAGE: OTHER SOURCE(S):

CASREACT 119:28415

L11 ANSWER 35 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1992:210833 CAPLUS

DOCUMENT NUMBER: 116:210833

TITLE: Structures of cytotoxic substances and new quinazoline

> derivatives produced by a fungus from a saltwater fish Numata, Atsushi; Takahashi, Chika; Miyamoto, Tamie; Matsushita, Tomochika; Kawai, Kenzo; Usami, Yoshihide; Matsumura, Eiko; Inoue, Masatoshi; Ohishi, Hirofumi;

Shingu, Tetsuro

CORPORATE SOURCE: Osaka Univ. Pharm. Sci., Osaka, Japan

Tennen Yuki Kagobutsu Toronkai Koen Yoshishu (1991), SOURCE:

33rd, 723-30

CODEN: TYKYDS

DOCUMENT TYPE:

LANGUAGE:

AUTHOR (S):

Journal Japanese

L11 ANSWER 36 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:424310 CAPLUS

DOCUMENT NUMBER: 113:24310

TITLE: A stereoselective entry to the fumitremorgins

AUTHOR (S): Bailey, Patrick D.; Hollinshead, Sean P.; McLay, Neil

CORPORATE SOURCE: Dep. Chem., Univ. York, Heslington/York, YO1 5DD, UK

SOURCE:

Tetrahedron Letters (1989), 30(46), 6421-2

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE:

Journal

LANGUAGE:

English

OTHER SOURCE(S):

CASREACT 113:24310

L11 ANSWER 37 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:99200 CAPLUS

DOCUMENT NUMBER:

112:99200

TITLE:

A synthesis of so-called fumitremorgin C

Hino, Tohru; Kawate, Tomohiko; Nakagawa, Masako AUTHOR (S): CORPORATE SOURCE: Fac. Pharm. Sci., Chiba Univ., Chiba, 260, Japan

Tetrahedron (1989), 45(7), 1941-4 SOURCE:

CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE:

Journal

LANGUAGE:

English

OTHER SOURCE(S):

CASREACT 112:99200

L11 ANSWER 38 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1990:33119 CAPLUS

DOCUMENT NUMBER: 112:33119

TITLE: Environmental factors influencing fumitremorgin

production by Neosartorya fischeri

AUTHOR (S):

Beuchat, L. R.; Nielsen, P. V.; Frisvad, J. C. Dep. Food Sci. Technol., Univ. Georgia, Griffin, GA, CORPORATE SOURCE:

30223-1797, USA

SOURCE: Bioactive Molecules (1989), 10 (Mycotoxins Phycotoxins

'88), 7-12

CODEN: BMOLEY; ISSN: 0921-0687

DOCUMENT TYPE:

Journal LANGUAGE: English

L11 ANSWER 39 OF 47 CAPLUS COPYRIGHT 2003 ACS

1989:594386 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 111:194386

Synthetic approaches to fumitremorgins. TITLE:

Synthesis of optically active pentacyclic ring

systems, and their oxidation at ring C

AUTHOR (S): Nakagawa, Masako; Fukushima, Hiroshi; Kawate,

Tomohiko; Hongu, Mitsuya; Une, Teruaki; Kodato,

Shinichi; Taniguchi, Mikio; Hino, Toru

CORPORATE SOURCE: Fac. Pharm. Sci., Chiba Univ., Chiba, 260, Japan

SOURCE: Chemical & Pharmaceutical Bulletin (1989), 37(1),

23-32

CODEN: CPBTAL; ISSN: 0009-2363

DOCUMENT TYPE:

Journal English LANGUAGE:

CASREACT 111:194386 OTHER SOURCE(S):

L11 ANSWER 40 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1989:454090 CAPLUS

DOCUMENT NUMBER:

111:54090

Influence of atmospheric oxygen content on growth and TITLE:

fumitremorgin production by a heat-resistant mold,

Neosartorya fischeri

AUTHOR(S): Nielsen, P. V.; Beuchat, L. R.; Frisvad, J. C.

Dep. Food Sci. Technol., Univ. Georgia, Griffin, GA, CORPORATE SOURCE:

30223-1797, USA

SOURCE: Journal of Food Science (1989), 54(3), 679-82, 685

CODEN: JFDSAZ; ISSN: 0022-1147

DOCUMENT TYPE:

Journal LANGUAGE: English

L11 ANSWER 41 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1989:95596 CAPLUS

DOCUMENT NUMBER:

110:95596

TITLE: Synthetic studies on fumitremorgins. II. First total

synthesis of (-)-fumitremorgin C

AUTHOR(S): Hermkens, Pedro H. H.; Plate, Ralf; Ottenheijm, Harry

C. J.

CORPORATE SOURCE: Dep. Org. Chem., Univ. Nijmegen, Nijmegen, 6525 ED,

Neth.

SOURCE: Tetrahedron (1988), 44(7), 1991-2000

CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE:

English

LANGUAGE:

Journal

OTHER SOURCE(S): CASREACT 110:95596

L11 ANSWER 42 OF 47 CAPLUS COPYRIGHT 2003 ACS 1988:549147 CAPLUS

ACCESSION NUMBER:

109:149147

DOCUMENT NUMBER: TITLE:

Total synthesis of (+)-fumitremorgin B, its epimeric

isomers, and demethoxy derivatives

AUTHOR (S): Kodato, Shinichi; Nakagawa, Masako; Hongu, Mitsuya;

Kawate, Tomohiko; Hino, Toru

CORPORATE SOURCE: Fac. Pharm. Sci., Chiba Univ., Chiba, 260, Japan

SOURCE: Tetrahedron (1988), 44(2), 359-77

CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 109:149147

L11 ANSWER 43 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1988:55714 CAPLUS

DOCUMENT NUMBER: 108:55714

TITLE: Synthesis of fumitremorgin B and related compounds AUTHOR(S): Nakagawa, Masako; Kodata, Shinichi; Hongu, Mitsuya;

Kawate, Tomohiko; Hino, Toru

CORPORATE SOURCE: Fac. Pharm. Sci., Chiba Univ., Chiba, Japan

SOURCE: Tennen Yuki Kagobutsu Toronkai Koen Yoshishu (1986),

28th, 473-80 CODEN: TYKYDS

DOCUMENT TYPE: Journal LANGUAGE: Japanese

L11 ANSWER 44 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1988:5744 CAPLUS

DOCUMENT NUMBER: 108:5744

TITLE: Tremorgenic mycotoxins. Synthesis of

6-demethoxyfumitremorgin B

AUTHOR(S): O'Malley, Gerard J.; Cava, Michael P.

CORPORATE SOURCE: Dep. Chem., Univ. Alabama, Tuscaloosa, AL, 35487-9671,

USA

SOURCE: Tetrahedron Letters (1987), 28(11), 1131-4

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 108:5744

L11 ANSWER 45 OF 47 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1987:636297 CAPLUS

DOCUMENT NUMBER: 107:236297

TITLE: Total synthesis of fumitremorgin B

AUTHOR(S): Nakagawa, Masako; Kodato, Shinichi; Hongu, Mitsuya;

Kawate, Tomohiko; Hino, Tohru

CORPORATE SOURCE: Fac. Pharm. Sci., Chiba Univ., Chiba, 260, Japan

SOURCE: Tetrahedron Letters (1986), 27(51), 6217-20

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 107:236297

L11 ANSWER 46 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1987:176861 CAPLUS

DOCUMENT NUMBER: 106:176861

TITLE: Stereoselective synthesis of desmethoxy-(+)-

verruculogen TR-2

AUTHOR(S): Boyd, Steven A.; Thompson, Wayne J.

CORPORATE SOURCE: Dep. Chem. Biochem., Univ. California, Los Angeles,

CA, 90024, USA

SOURCE: Journal of Organic Chemistry (1987), 52(9), 1790-4

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 106:176861

L11 ANSWER 47 OF 47 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1987:156114 CAPLUS

DOCUMENT NUMBER: 106:156114

TITLE: Synthetic approach to the total synthesis of

fumitremorgins. II. Synthesis of optically active pentacyclic intermediates and their dehydrogenation

AUTHOR(S): Nakagawa, Masako; Fukushima, Hiroshi; Kawate,

Tomohiko; Hongu, Mitsuya; Kodato, Shinichi; Une, Teruaki; Taniguchi, Mikio; Hino, Toru Fac. Pharm. Sci., Chiba Univ., Chiba, 260, Japan Tetrahedron Letters (1986), 27(28), 3235-8 CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE:

LANGUAGE:

SOURCE:

OTHER SOURCE(S):

CORPORATE SOURCE:

Journal English

CASREACT 106:156114

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103

L14 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1996:703657 CAPLUS

DOCUMENT NUMBER: 126:16546

TITLE: Isolation, structure determination and biological

activities of novel mammalian cell cycle inhibitors, spirotryprostatins A & B, tryprostatins A & B and related new diketopiperazine derivatives produced by a

fungus, Aspergillus fumigatus

AUTHOR(S): Cui, Cheng-Bin; Kakeya, Hideaki; Osada, Hiroyuki CORPORATE SOURCE: Institute Physical and Chemical Research, Japan

Tennen Yuki Kagobutsu Toronkai Koen Yoshishu (1996),

38th, 49-54 CODEN: TYKYDS

PUBLISHER: Nippon Kagakkai

DOCUMENT TYPE: Journal LANGUAGE: Japanese

SOURCE:

AB A discussion is given on the prodn., isolation, structure detn., and biol. activities of the novel Aspergillus fumigatus diketopiperazine alkaloids spirotryprostatins A (I) and B, tryprostatins A (II) and B, and cyclotryprostatins B and D, the 3 new natural diketopiperazines cyclotryprostatins A (III) and C, and demethoxyfumitremorgin C (IV), and on several known diketopiperazines, such as fumitremorgin C. Structures of the new diketopiperazines were detd. mainly by spectroscopic methods. All of the compds. are inhibitors of the G2/M transition of tsFT210 cells at micromolar dosages. Some structure-activity relations were obsd.

ST Aspergillus diketopiperazine alkaloid cell cycle inhibitor; spirotryprostatin mammal cell cycle inhibitor Aspergillus; antitumor diketopiperazine alkaloid Aspergillus; tryprostatin mammal cell cycle inhibitor Aspergillus; neoplasm inhibitor diketopiperazine deriv Aspergillus

IT 111427-97-5P, Cyclotryprostatin C 111468-06-5P, Cyclotryprostatin A 111768-16-2P 118974-02-0P, Fumitremorgin C. 171864-80-5P, Tryprostatin A 179936-52-8P, Tryprostatin B 182234-25-9P, Spirotryprostatin A 182234-26-0P, Spirotryprostatin B 184305-67-7P, Cyclotryprostatin B 184305-68-8P, Cyclotryprostatin D RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(diketopiperazine derivs. produced and isolated from Aspergillus fumigatus are novel mammalian cell cycle inhibitors)

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 111768-16-2 REGISTRY

CN 5H,14H-Pyrrolo[1'',2'':4',5']pyrazino[1',2':1,6]pyrido[3,4-b]indole-5,14-dione, 1,2,3,5a,6,11,12,14a-octahydro-12-(2-methyl-1-propenyl)-, (5aS,12S,14aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 5H,14H-Pyrrolo[1'',2'':4',5']pyrazino[1',2':1,6]pyrido[3,4-b]indole-5,14dione, 1,2,3,5a,6,11,12,14a-octahydro-12-(2-methyl-1-propenyl)-,
[5aS-(5a.alpha.,12.beta.,14a.alpha.)]-

OTHER NAMES:

CN (+)-Demethoxyfumitremorgin C

CN Demethoxyfumitremorgin C

FS STEREOSEARCH

MF C21 H23 N3 O2

SR CA

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMINFORMRX, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1957 TO DATE) 16 REFERENCES IN FILE CAPLUS (1957 TO DATE)

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NOTICE SET TO OFF FOR DISPLAY COMMAND SET COMMAND COMPLETED

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 107494-27-9 REGISTRY

CN 5H,14H-Pyrrolo[1'',2'':4',5']pyrazino[1',2':1,6]pyrido[3,4-b]indole-5,14-dione, 1,2,3,5a,6,11,12,14a-octahydro-12-(2-methylpropyl)-, (5aS,12S,14aR)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 5H,14H-Pyrrolo[1'',2'':4',5']pyrazino[1',2':1,6]pyrido[3,4-b]indole-5,14dione, 1,2,3,5a,6,11,12,14a-octahydro-12-(2-methylpropyl)-,
[5aS-(5a.alpha.,12.beta.,14a.beta.)]-

FS STEREOSEARCH

MF C21 H25 N3 O2

SR CA

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 4 REFERENCES IN FILE CA (1957 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND SET COMMAND COMPLETED

10/26,169

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN RN 118974-02-0 REGISTRY

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 5H,14H-Pyrrolo[1'',2'':4',5']pyrazino[1',2':1,6]pyrido[3,4-b]indole-5,14-dione, 1,2,3,5a,6,11,12,14a-octahydro-9-methoxy-12-(2-methyl-1-propenyl)-, (5aS,12S,14aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 5H,14H-Pyrrolo[1'',2'':4',5']pyrazino[1',2':1,6]pyrido[3,4-b]indole-5,14dione, 1,2,3,5a,6,11,12,14a-octahydro-9-methoxy-12-(2-methyl-1-propenyl)-,
[5aS-(5aα,12β,14aα)]-

OTHER NAMES:

CN 12α-Fumitremorgin C

CN Fumitremorgin C